

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3633273 A4 20210303 (EN)

Application
EP 17895499 A 20171215

Priority
• JP 2017104103 A 20170526
• JP 2017045205 W 20171215

Abstract (en)
[origin: EP3633273A1] An air conditioner capable of suitably washing an indoor heat exchanger is provided. An air conditioner (100) includes a refrigerant circuit (Q) in which refrigerant circulates in a refrigerating cycle through a compressor (31), a condenser, an outdoor expansion valve (34), and an evaporator sequentially, and a controller for controlling at least the compressor (31) and the outdoor expansion valve (34). One of the condenser and the evaporator is an outdoor heat exchanger (32), and the other is at least a part of an indoor heat exchanger (12). The controller carries out freezing of the indoor heat exchanger (12), thawing of an upper part of the indoor heat exchanger (12), and thawing of a lower part of the indoor heat exchanger (12) sequentially.

IPC 8 full level
F24F 1/00 (2019.01); **F24F 1/0063** (2019.01); **F24F 11/62** (2018.01); **F24F 11/84** (2018.01); **F24F 11/86** (2018.01); **F25B 29/00** (2006.01); **F24F 120/00** (2018.01)

CPC (source: EP)
F24F 1/0063 (2019.01); **F24F 11/41** (2017.12); **F24F 11/43** (2017.12); **F24F 11/62** (2017.12); **F24F 11/84** (2017.12); **F24F 11/86** (2017.12); **F25B 29/00** (2013.01); **F24F 11/48** (2017.12); **F24F 2221/22** (2013.01)

Citation (search report)
• [Y] JP 2010014288 A 20100121 - TOSHIBA CARRIER CORP
• [Y] JP 2014020568 A 20140203 - HITACHI APPLIANCES INC
• [A] WO 2011111602 A1 20110915 - TOSHIBA CARRIER CORP [JP], et al
• [A] CN 106247846 A 20161221 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al
• See references of WO 2018216252A1

Cited by
CN114353277A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3633273 A1 20200408; **EP 3633273 A4 20210303**; **EP 3633273 B1 20220427**; CN 109416189 A 20190301; CN 109416189 B 20191203; JP 2018200129 A 20181220; JP 6349013 B1 20180627; MY 183428 A 20210218; TW 201901091 A 20190101; TW I638968 B 20181021; WO 2018216252 A1 20181129

DOCDB simple family (application)
EP 17895499 A 20171215; CN 201780010892 A 20171215; JP 2017045205 W 20171215; JP 2017104103 A 20170526; MY PI2018702745 A 20171215; TW 107117452 A 20180523